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Notice of Allowability	Application No.	Applicant(s)
	10/735,903	OUCHI, TOSHIHIKO
	Examiner	Art Unit
	Juliana K. Kang	2874
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>amendment filed on 2/17/06 and phone interview conducted on May 9, 2006.</u>		
2. The allowed claim(s) is/are 1,3-6 and 8-18.		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (PTo	Office action of wings in the front (not the back) of
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 □ Notice of Informa	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🗌 Interview Summa	ry (PTO-413),
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>5/9/06</u>	Paper No./Mail E 8), 7. ⊠ Examiner's Amen	
Examiner's Comment Regarding Requirement for Deposit of Biological Material		nent of Reasons for Allowance
	. 9. 🗌 Other	
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gary Jacobs on May 9, 2006.

The application has been amended as follows:

Replace claim 1 with:

(Currently Amended) An optical waveguide comprising:
 a slab-type optical waveguide layer; and

a plurality of chips which include either an optical input port for inputting an optical signal from the slab-type optical waveguide layer or an optical output port for outputting an optical signal to the slab-type optical waveguide layer, wherein each said optical input port receives the optical signal, output by each said optical output port, from the slab-type optical waveguide layer in accordance with a timing signal inputted using an electrical connection between the plurality of chips,

wherein the optical signal output by each said optical output port comprises a packet signal train formed of a finite pulse train, and wherein the timing signal is individually sent as an instruction signal used to select adoption or rejection of the packet signal train; and

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wherein the timing signal comprises an electrical signal formed for every packet signal train.

In claim 8, line 5, delete "control"
In claim 13, line 5, delete "control"
In claim 14, line 5, delete "control"

The following is an examiner's statement of reasons for allowance: there is no prior art made of record that teaches or reasonably suggests the claimed apparatus having all the specific elements with the specific combination including a slab-type optical waveguide and the timing signal comprising an electrical signal for every packet signal train to select adoption or rejection of the packet signal train as set forth in claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Juliana K. Kang whose telephone number is (571) 272-2348. The examiner can normally be reached on Monday through Thursday 8:00 AM-2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rod Bovernick can be reached on (571) 272-2344. The

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fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JULIANA KANG PRIMARY EXAMINER

5/23/06